

Test Report

Number: HZ-23031034

Applicant: Monnalisa Spa
Via M. Curie, 7/M
52100 Arezzo (Italy)

Date: Mar. 30, 2023

Sample Description As Declared:
One sample of 100% POLYAMIDE LACE in 0050.

Date Received	:	Mar. 24 2023
Testing date	:	Mar. 24 2023~Mar. 30 2023
Material Code	:	T9503 - ODIN
Color Code	:	0050
Category	:	A



Approved By:
Hangzhou Brachi Technological Services Co., Ltd



Lawrence Lang
General Manager

Note: Results presented in this report are related only to the described sample and do not represent the complete lot.
The samples are kept for 3 months.
This test report has value only if the original copy and can not be partially reproduced without written approval of the laboratory.
The above sample information is provided by customer, and the laboratory is not responsible for authenticity.
The determination on conformance in this report is only based on the test results regardless of the uncertainty of the results.

Italy Headquarters

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Binjiang District, Hangzhou
tel. +86.0571.82869868 - fax +86.0571.82869971

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Conclusion:

	A
Fiber Composition	M
Formaldehyde Content	M
pH Value	M
Determination of Smell	M
Colour Fastness to Rubbing	M
Colour Fastness to Water	M
Colour Fastness to Perspiration	M
Colour Fastness to Light	#
Colour Fastness to Washing	#
Colour Fastness to Saliva	M
AZO dyes	M

Note: M=Meet General's Requirement

#=No Specified Requirement

N/A= Not Applicable

F=Below General's Requirement

*=No Submitted Information

N/L=Not List

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Test conducted (As Requested By The Applicant)

1. Fiber Composition(GB/T 29862-2013)(GB/T 2910-2009)(FZ/T 01057-2007)

A

Requirement

100.0%Polyamide

100%
Polyamide

2. Free and Hydrolized Formaldehyde (Water extraction method)(GB/T 2912.1-2009)

A
ND

Requirement
≤20mg/kg

Note: (1) ND = not detectable
(2) Detection Limit =20 mg/kg

3. Determination of pH of the Aqueous Extract(GB/T 7573-2009)

A
6.2

Requirement
4.0-7.5

4. Determination of Smell(GB 18401-2010)

A

Requirement
No Abnormal
Odor

No Abnormal Odor

5. Colour Fastness to Rubbing(GB/T 3920-2008)

Humidity: 65.1 %RH
Temperature: 21.3 °C
Friction head: 16mm
Direction: Oblique

A
4-5
4-5

Requirement
≥4
≥2-3

Dry
Wet

Remark: This sample is in dark color.

6. Colour Fastness to Water(37°C, 4h)(GB/T 5713-2013)

A
4-5
4-5
4-5

Requirement
≥3-4
≥3-4

Colour Change
Colour Staining
- Polyamide
- Wool

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7. Colour Fastness to Perspiration(37°C, 4h)(GB/T 3922-2013)

	A	Requirement
<u>Acid</u>		
Colour Change	4-5	≥3-4
Colour Staining		≥3-4
- Polyamide	4-5	
- Wool	4-5	
<u>Alkaline</u>		
Colour Change	4-5	≥3-4
Colour Staining		≥3-4
- Polyamide	4-5	
- Wool	4-5	

8. Colour Fastness to Light(GB/T 8427-2019)

Exposure cycle A1

	A	Requirement
First stage		
Grade	4	-
Remark: Method 3, BWR 4		

9. Colour Fastness to Washing(GB/T 3921-2008, Method A(1))

	A	Requirement
Colour Change	4-5	-
Colour Staining		-
- Polyamide	4-5	
- Wool	4-5	

10. Colour Fastness to Saliva(GB/T 18886-2019)

	A	Requirement
Colour Change	4-5	≥4
Colour Staining		≥4
- Polyamide	4-5	
- Wool	4-5	

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11. AZO dyes(GB/T 17592-2011)

Detected By Gas Chromatographic-Mass Spectrometric(GC-MS).

No.	Forbidden Amines Substances	CAS-No.	Result
			A
1.	4-aminodiphenyl/xenylamine/ Biphenyl-4-ylamine	92-67-1	ND
2.	Benzidine	92-87-5	ND
3.	4-chlor-o-toluidine	95-69-2	ND
4.	2-naphthylamine	91-59-8	ND
5.	o-aminoazotoluene/4-o-tolylazo-o-toluidine/ 4-amino-2',3-dimethylazobenzene	97-56-3	ND
6.	2-amino-4-nitrotoluol/5-nitro-o-toluidine	99-55-8	ND
7.	p-chloranilin/4-chloroaniline	106-47-8	ND
8.	2,4-diaminoanisol/ 4-methoxy-m-phenylenediamine	615-05-4	ND
9.	4,4'-diaminodiphenylmethane/ 4,4'-methylenedianiline	101-77-9	ND
10.	3,3'-dichlorobenzidine/ 3,3' dichlorobiphenyl-4,4'-ylenediamine	91-94-1	ND
11.	3,3'-dimethoxybenzidine/o-dianisidine	119-90-4	ND
12.	3,3'-dimethylbenzidine/4,4'-bi-o-Toluidine	119-93-7	ND
13.	3,3'-dimethyl-4,4'-diaminodiphenylmethane/ 4,4'-methylenedi-o-toluidine	838-88-0	ND
14.	p-cresidin/6-methoxy-m-toluidine	120-71-8	ND
15.	4,4'-methylen-bis-(2-chloro-aniline)/ 2,2'-dichloro-4,4' methylene-dianiline	101-14-4	ND
16.	4,4'-oxydianiline	101-80-4	ND
17.	4,4'-thiodianiline	139-65-1	ND
18.	o-toluidine/2-aminotoluene	95-53-4	ND
19.	2,4-toluylendiamine/ 4-methyl-m-phenylenediamine	95-80-7	ND
20.	2,4,5-trimethylaniline	137-17-7	ND
21.	o-anisidine/ 2-methoxyaniline	90-04-0	ND
22.	4-aminoazobenzene	60-09-3	ND
23.	2,4-Xylidine	95-68-1	ND
24.	2,6-Xylidine	87-62-7	ND
Overall Rating			PASS

Note: ND = Not Detectable
Detection Limit = 5 mg/kg

Client's Requirement: No relevant amine exceeding 20 mg/kg (MAX.)

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TESTING
CNAS L5463



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Sample Picture:



A

End of the Report

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